Form PTO-1449 **INFORMATION DISCLOSURE LIST**	Atty. Docket No.: 0899 Applicants: James Weifu Lee, et al. Filing Date	Title: Catalyst-Induced Growth of Carbon Nanotubes on Tips of Cantilevers and Nanowires Serial No. Group

U. S. Patent Document

*Examiner Initial	Doc. No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
	(None)					

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

WL 1. Merkulov, V. I., D. H. Lowndes, Y. Y. Wei, G. Eres, and E. Voelkl (2000) "Patterned growth of individual and multiple vertically-aligned carbon nanotubes," *Appl. Phys. Lett.* **76**, 3555.

WL 2. Dai, H., J. H. Hafner, A. G. Rinzler, D. T. Colbert, and R. E. Smalley, *Nature* **384**, 147 (1996).

WL 3. Nishijima, H., S. Kamo, Seiji Akita, Y. Nakayama, K. I. Hohmura, S. H. Yoshimura, and K. Takeyasu, (1999) *Appl. Phys. Lett.* **74**, 4061.

WL 4. Hafner, J. H., C. Li Cheung, and C. M. Lieber (1999) *Nature* **398**, 761.

WL 5. Ren, Z. F., Z. P. Huang, J. W. Xu, J. H. Wang, P. Bush, M. P. Siegal, and P. N. Provencio (1998) *Science* **282**, 1105.

WL 6. Baker, R. T. K. (1989) *Carbon* **27**, 315.

WL 7. Chen, Y., D. T. Shaw, and L. Guo (2000) *Appl. Phys. Lett.* **76**, 2469.

___ 8. Poncharal, P., Z. L Wang, D. Ugarte, and W. A. de Heer (1999) "Electrostatic deflections and electromechanical resonances of carbon nanotubes," *Science* 283:1512-1516.

EXAMINER William Leader	DATE CONSIDERED 11/2003

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Sheet 1 of 1

Complete if Known	
Application Number	09/873,928
Filing Date	06/04/2001
First Named Inventor	James Weifu Lee
Group Art Unit	
Examiner Name	
Attorney Docket Number	0899

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WL	1	REN, Z. F. ET AL, "Growth of a Single Freestanding Multiwall Carbon Nanotube on each Nanonickel Dot," Applied Physics Letters, Vol. 75 (No. 8), p. 1086-88, (August 12, 1999).	

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Sheet 1 of 2

Complete if Known	
Application Number	09/873,928
Filing Date	6/04/01
First Named Inventor	J. W. Lee
Art Unit	1741
Examiner Name	
Attorney Docket Number	0899

U. S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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WL	1	EP 1 129 990 A1	9/5/2001	Bower et al		

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Sheet 2 of 2

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WL	2	F.G.TARNTAIR ET AL, "High Current Density Field Emission from Arrays of Carbon Nanotubes & Diamond-Clad Si Tips," J. Vac.Sci.Technol.B, Vol. 18 (No. 3),	
WL	3	CHRIS BOWER ET AL, "Nucleation & Growth of Carbon Nanotubes by Microwave Plasma Chemical Vapor Deposition," Applied Physics Ltrs., Vol. 77 (No. 17), (October 23, 2000).	
WL	4	Z. F. REN ET AL, "Large Arrays of Well-Aligned Carbon Nanotubes,"	
WL	5	SUK JAE CHUNG ET AL, "Novel Plasma Chemical Vapor Deposition Method of Carbon Nanotubes at Low Temperature for Field Emission Display Application," Diamond & Related Materials 10 (2001) , p. 248-253,	
WL	6	H. CUI ET AL, "Aligned Carbon Nanotubes via Microwave Plasma Enhanced Chemical Vapor Deposition," Mat.Res.Soc.Symp.Proc.,	
WL	7	Y,C.CHOI ET AL, "Controlling the Diameter, Growth Rate and Density of Vertically Aligned Carbon Nanotubes Synthesized by Microwave Plasma-Enhanced Chemical Vapor Deposition," Appl. Physics Ltrs., Vol. 76 (No. 17), p. 2367-69, (April 24, 2000).	
WL	8	H. CUI ET AL, "Deposition of Aligned Bamboo-Like Carbon Nanotubes via Microwave Plasma Enhanced Chemical Vapor Deposition," Jl. of Applied Physics, Vol. 88 (No. 10), p. 6072-6074, (November 15, 2000).	

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